

# INTERNATIONAL SEARCH REPORT

National Application No  
PCT 03/05300

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A61K31/496 A61K31/135 A61K31/60 A61K31/495 A61P25/16

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE, MEDLINE

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 199 39 756 A (MERCK PATENT GMBH) 22 February 2001 (2001-02-22) claims 4,5	1,2,7-9, 12-15,17
Y	DE 199 34 432 A (MERCK PATENT GMBH) 1 February 2001 (2001-02-01) claims 4,5	1,2,7-9, 12-15,17
Y	WO 01 51469 A (ACKERMANN KARL AUGUST ;AMSTERDAM CHRISTOPH VAN (DE); BOETTCHER HEN) 19 July 2001 (2001-07-19) claims 6,7	1,2,7-9, 12-15,17
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

21 November 2003

Date of mailing of the international search report

09.12.2003

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	OKUN MICHAEL S ET AL: "Depression associated with Parkinson's disease: Clinical features and treatment." NEUROLOGY, vol. 58, no. 4 Supplement 1, 26 February 2002 (2002-02-26), pages S63-S70, XP008020688 February 26, 2002 ISSN: 0028-3878	1
Y	page S66, right-hand column, paragraph 3	1,2,7-9, 12-15,17
Y	WO 00 61129 A (BARBERICH TIMOTHY J ; RUBIN PAUL D (US); SEPRACOR INC (US); YELLE W) 19 October 2000 (2000-10-19) page 10, line 8,13	1,2,7-9, 12-15,17
Y	JORG J: "Treatment schedule for Parkinson's disease" DEUTSCHE MEDIZINISCHE WOCHENSCHRIFT 1983 GERMANY, vol. 108, no. 28-29, 1983, pages 1116-1122, XP008020684 page 1120, right-hand column, paragraph 3	2,7-9, 12,15,17
Y	PASSERO S ET AL: "Depressive symptomatology in Parkinson's disease: Treatment with trazodone" RASSEGNA DI STUDI PSICHIATRICI 1983 ITALY, vol. 72, no. 1, 1983, pages 86-93, XP008020679 page 91, paragraph 1 * page 91, "Summary" *	2,7-9, 12,15,17
Y	ANANTH J: "Choosing the right antidepressant" PSYCHIATRIC JOURNAL OF THE UNIVERSITY OF OTTAWA 1983 CANADA, vol. 8, no. 1, 1983, pages 20-26, XP008020694 page 21, left-hand column, paragraph 2	2,7-9, 12,15,17
Y	MAYNES D ET AL: "Treatment of depression in Parkinson's disease" NOVA SCOTIA MEDICAL BULLETIN 1986 CANADA, vol. 65, no. 1, 1986, pages 14-17, XP008020682 page 15, right-hand column, paragraph 2	2,7-9, 12,15,17

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>BENAZZI F: "Parkinson's disease worsened by nefazodone." INTERNATIONAL JOURNAL OF GERIATRIC PSYCHIATRY. ENGLAND DEC 1997, vol. 12, no. 12, December 1997 (1997-12), page 1195 XP008020678 ISSN: 0885-6230 <b>page 1195, right-hand column, last paragraph</b></p>	1,2,7-9, 12-15,17
Y	<p>ALBANESE A ET AL: "Can trazodone induce parkinsonism?" CLINICAL NEUROPHARMACOLOGY. UNITED STATES APR 1988, vol. 11, no. 2, April 1988 (1988-04), pages 180-182, XP008020687 ISSN: 0362-5664 page 181, paragraph 2</p>	1,2,7-9, 12-15,17
Y	<p>GENGO F M ET AL: "THE RELATIVE ANTIHISTAMINIC AND PSYCHOMOTOR EFFECTS OF HYDROXYZINE AND CETIRIZINE" CLINICAL PHARMACOLOGY AND THERAPEUTICS, vol. 42, no. 3, 1987, pages 264-272, XP008024867 ISSN: 0009-9236 page 265, left-hand column -right-hand column</p>	3-6,11, 12,15, 17-22
Y	<p>GENGO F M ET AL: "ANTIHISTAMINES DROWSINESS AND PSYCHOMOTOR IMPAIRMENT CENTRAL NERVOUS SYSTEM EFFECT OF CETIRIZINE" ANNALS OF ALLERGY, vol. 59, no. 6 PART 2, 1987, pages 53-57, XP008024866 SYMPOSIUM ON CETIRIZINE, A RECENT ADVANCE IN SELECTIVE ANTIHISTAMINE THERAPY, NAPLES, FLORIDA, USA, ISSN: 0003-4738 <b>page 56, middle column, last paragraph until right-hand column, first paragraph</b></p>	3-6,11, 12,15, 17-22
Y	<p>POIRIER J ET AL: "Debrisoquine metabolism in parkinsonian patients treated with antihistamine drugs" LANCET 1987 UNITED KINGDOM, vol. 2, no. 8555, 1987, page 386 XP001160877 left-hand column, paragraph 2</p>	3-6,11, 12,15, 17-22

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# INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>PEGGS J F ET AL: "Antihistamines: the old and the new." AMERICAN FAMILY PHYSICIAN. UNITED STATES AUG 1995, vol. 52, no. 2, August 1995 (1995-08), pages 593-600, XP000980218 ISSN: 0002-838X <b>page 595, right-hand column, paragraph "Parkinson's disease"</b></p>	<p>3-6,11, 12,15, 17-22</p>
Y	<p>COHEN M M ET AL: "Pharmacotherapy of Parkinson's disease" JOURNAL OF THE MAINE MEDICAL ASSOCIATION 1977 UNITED STATES, vol. 68, no. 4, 1977, pages 134-141+146, XP008024543 page 137; table 1</p>	<p>3-6,11, 12,15, 17-22</p>
Y	<p>WATANABE T ET AL: "RECENT ADVANCES IN NEUROPSYCHOPHARMACOLOGY OF THE CENTRAL HISTAMINERGIC NEURON SYSTEM" YAKUBUTSU, SEISHIN, KODO - JAPANESE JOURNAL OF PSYCHOPHARMACOLOGY, KAWASAKI, JP, vol. 11, no. 2, 1 April 1991 (1991-04-01), pages 105-121, XP000673774 ISSN: 0285-5313 <b>page 121, "Abstract"</b></p>	<p>3-6,11, 12,15, 17-22</p>

# INTERNATIONAL SEARCH REPORT

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## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

**see additional sheet**

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐

The additional search fees were accompanied by the applicant's protest.

☒

No protest accompanied the payment of additional search fees.

The International Searching Authority has determined that this international application contains multiple (groups of) inventions, namely

1. Claims 1, 2, 7-10, 12-16 (in part), 17, 18-22 (in part)

use of nefazodone and trazodone for treatment of Parkinson's disease.

2. Claims 3-6, 11, 12-16 (in part), 18-22 (in part)

use of cetirizine for treatment of Parkinson's disease.

# INTERNATIONAL SEARCH REPORT

International Application No  
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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